

Title (en)
ENHANCEMENT OF TRANSDERMAL DRUG DELIVERY USING MONOALKYL PHOSPHATES AND OTHER ABSORPTION PROMOTERS

Title (de)
TRANSDERMALE MEDIKAMENTENZUFUHR UNTER VERWENDUNG VON MONOALKYLPHOSPHATEN UND ANDEREN
ABSORPTIONSVERSTÄRKERN

Title (fr)
AMELIORATION DE L'APPORT TRANSDERMIQUE DE MEDICAMENTS A L'AIDE DE PHOSPHATES MONOALKYLES ET D'AUTRES
ACTIVATEURS D'ABSORPTION

Publication
EP 0746292 A1 19961211 (EN)

Application
EP 94913889 A 19940224

Priority

- US 9402248 W 19940224
- US 93877592 A 19920902
- US 16381793 A 19931208

Abstract (en)
[origin: US5358715A] Pharmaceutical formulations, transdermal drug delivery devices, and methods of drug delivery using the formulations and devices of the invention are disclosed which make it possible to enhance the rate of transdermal drug delivery of pharmaceutically active compounds and in particular molsidomine. The rate of drug delivery is increased by using absorption promoters which include monoalkyl phosphates and salts thereof alone or in combination with other absorption promoters such as polyhydroxyl esters, longchain fatty acids, polyhydroxyl alcohols and terpenes. Particular combinations of monoalkyl phosphates with one or more additional absorption promoters provides synergistic effects with respect to enhancing the rate of drug delivery of certain pharmaceutically active drugs such as molsidomine.

IPC 1-7
A61F 13/00

IPC 8 full level
A61K 9/70 (2006.01); **A61F 13/00** (2006.01); **A61K 9/00** (2006.01); **A61K 47/24** (2006.01)

CPC (source: EP US)
A61K 9/0014 (2013.01 - EP US); **A61K 47/24** (2013.01 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
US 5358715 A 19941025; AU 6587294 A 19950911; EP 0746292 A1 19961211; EP 0746292 A4 19980401; JP H10500660 A 19980120;
WO 9522950 A1 19950831

DOCDB simple family (application)
US 16381793 A 19931208; AU 6587294 A 19940224; EP 94913889 A 19940224; JP 52231795 A 19940224; US 9402248 W 19940224